



PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Fabio Pellizzer  
Application No. : 10/824,631  
Filed : April 14, 2004  
For : SELF-ALIGNED PROCESS FOR MANUFACTURING  
A PHASE CHANGE MEMORY CELL AND PHASE  
CHANGE MEMORY CELL THEREBY  
MANUFACTURED

Examiner : Joseph H. Nguyen  
Art Unit : 2815  
Docket No. : 854163.414  
Date : March 27, 2006

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

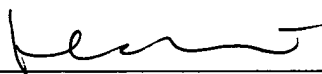
Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicant wishes to make known to the U.S. Patent and Trademark Office the references set forth on the attached Information Disclosure Statement. Copies of cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of any other cited references are enclosed. As to any reference cited, applicant does not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,  
Seed Intellectual Property Law Group PLLC



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Hai Han, Ph.D.  
Registration No. 54,150

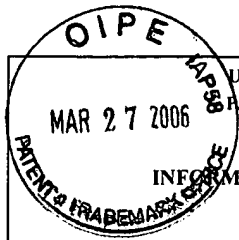
HXH:ja

Enclosures:

Postcard  
Check  
Information Disclosure Statement  
Cited References (2)

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763157

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICESUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)ATTY. DOCKET NO.  
854163.414APPLICATION NO.  
10/824,631APPLICANT  
Fabio PellizzerFILING DATE  
April 14, 2004GROUP ART UNIT  
2815

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,789,277	08/04/98	Zahorik et al.	438	95	
	AB	5,814,527	09/29/98	Wolstenholme et al.	438	5	
	AC	5,952,671	09/14/99	Reinberg et al.	257	3	
	AD	5,970,336	10/19/99	Wolstenholme et al.	438	238	
	AE	6,031,287	02/29/00	Harshfield	257	734	
	AF	6,238,946	05/29/01	Ziegler	438	50	
	AG	6,313,604	11/06/01	Maimon et al.	438	95	
	AH	6,541,333	04/01/03	Shukuri et al.	438	243	
	AI	6,613,604	09/02/03	Maimon et al.	438	95	
	AJ	6,617,192	09/09/03	Lowrey et al.	438	95	
	AK	6,750,079	06/15/04	Lowrey et al.	438	95	
	AL	6,759,267	07/06/04	Chen	438	95	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AM	WO 00/57498	09/28/00	WIPO		
	AN					
	AO					
	AP					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Palun, L. et al., "Fabrication of Single Electron Devices by Hybrid (E-Beam/DUV) Lithography," Microelectronic Engineering 53, pp. 167-170, 2000.
	AR	

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL</b> <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	ATTY. DOCKET NO. 854163.414	APPLICATION NO. 10/824,631
	APPLICANT Fabio Pellizzer	
	FILING DATE April 14, 2004	GROUP ART UNIT 2815

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	6,777,705	08/17/04	Reinberg et al.	257	2	
	BB	6,943,365	09/13/05	Lowrey et al.	257	3	
	BC	6,972,430	12/06/05	Casagnade et al.	257	4	
	BD	6,969,866	11/29/05	Lowrey et al.	257	3	
	BE	2002/0070401	06/13/02	Takeuchi et al.	257	296	
	BF	2003/0075778	04/24/03	Klersy	257	536	
	BG	2003/0219924	11/27/03	Bez et al.	438	102	
	BH	2004/0113181	01/22/04	Klebanoff et al.	134	2	
	BI	2004/0166604	08/26/04	Ha et al.	438	102	
	BJ	2004/0245603	12/09/04	Lowrey et al.	257	536	

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BK					
	BL					
	BM					
	BN					
	BO					

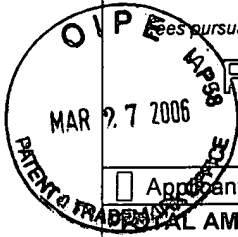
### OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	BP		
	BQ		
	BR		

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# **FEE TRANSMITTAL** **for FY 2006**

**Complete if Known**

Application Number	10/824,631
Filing Date	April 14, 2004
First Named Inventor	Fabio Pellizzer
Examiner Name	Joseph H. Nguyen
Art Unit	2815
Attorney Docket No.	854163.414

☐ Applicant claims small entity status. See 37 CFR 1.27

**AMOUNT OF PAYMENT (\$180.00)**
**METHOD OF PAYMENT (check all that apply)**
☒ Check ☐ Credit Card ☐ Money Order ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 19-1090 Deposit Account Name: Seed IP Law Group PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, **except for the filing fee**
☐ Charge any additional fee(s) or underpayments

☒ Charge any underpayments or credit any overpayments

of fee(s) under 37 CFR 1.16 and 1.17

**Warning:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES****FILING FEES****SEARCH FEES****EXAMINATION FEES**

Application Type	Fee (\$)	Small Entity		Small Entity		Small Entity		Fees Paid (\$)
		Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	
Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Provisional	200	100	0	0	0	0		

**2. EXCESS CLAIM FEES****Fee Description****Fee (\$)****Small Entity****Fee (\$)**

Each claim over 20 (including Reissues)

50

25

Each independent claim over 3 (including Reissues)

200

100

Multiple dependent claims

360

180

**Total Claims****Extra Claims****Fee (\$)****Fee Paid (\$)****Multiple Dependent Claims**

\_\_\_\_\_ -20 or HP = \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

**Fee (\$)****Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims****Extra Claims****Fee (\$)****Fee Paid (\$)**

\_\_\_\_\_ -3 or HP = \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)) the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets****Extra Sheets****Number of each additional 50 or fraction thereof****Fee (\$)****Fee Paid (\$)**

\_\_\_\_\_ -100 = \_\_\_\_\_

/50 = \_\_\_\_\_

(round up to a whole number)

x \_\_\_\_\_

**4. OTHER FEE(S)****Fees Paid (\$)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of Information Disclosure Statement**180****SUBMITTED BY**

Signature

Registration No.  
(Attorney/Agent)

54,150

Telephone

206-622-4900

Name (Print/Type)

Hai Han, Ph.D.

Date

March 27, 2006